

IN THE CLAIMS

1-3. (Canceled)

4. (Currently Amended) A biological photometric device comprising:

an array having a plurality of light sources and corresponding light detectors for respectively a plurality of light sources for irradiating an organ with light and a plurality of light detectors for detecting the light emitted from the light sources and propagated through the organ,

the light sources and light detectors being adapted to be disposed on the organ including a first light source and a first light detector, and

the a device for measuring a concentration of metabolites in the organ and changes in the concentration at a location corresponding to by using an about a substantially midpoint position between each of the light sources and each of the light detectors said first light source and said first light detector as a sampling point on the basis of a signal detected by the light detectors,

wherein another light source is disposed in an about midpoint position between said light source and said light detector of a first pair, and another light detector is